CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date : 09.04.2021

TEST REPORT ON FINE AGGREGATES (SAND)

nt	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,**
ncy	: **Sri. Yoganadhana B. M,** Contractor, Bangalore.
ne of Work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
e of Testing	: 09.04.2021
Code	: IS 383:2016
	: IS 2386 (Part I):1963(RA 2011)
terial	: Sand

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Total Wt. of Aggregates in gms 1000

Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
	0	0	0	100	100
10	87	8.70	8.70	91.3	90-100
4.75	102	10.20	18.90	81.1	75-100
2.36	189	18.90	37.80	62.2	55-90
1.18	232	23.20	61.00	39.0	35-59
600 Micron	171	17.10	78.10	21.9	8-30
300 Micron	156	15.60	93.70	6.3	0-10
150 Micron					

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 09.04.2021

TEST REPORT ON CEMENT

Client	: **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
Agency	: **Sri. Yoganadhana B. M.,** Contractor, Bangalore.
Name of Work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID:	: Cement (Birla Super 53 grade OPC)
Sample Supplied by:	: AGENCY
Date of Manufacture:	: Martch - 2021
Date of Testing	: 09.04.2021 to 10.04.2021

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Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

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Job No.: CACE/BBMP/YB/W.No.14/2021-2022 Date: 10/04/21

TEST REPORT ON COARSE AGGREGATES

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP.
Agency : Sri. Yoganadhana B. M, Contractor, Bangalore.
Name of Work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Date of Testing : 10.04.2021
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

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Total Wt. of Aggregates in gms 15000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	210	1.40	1.40	98.60	95-100
20	8441	56.27	57.67	42.33	30-70
10	3156	21.04	78.71	21.29	10-35
4.75	2563	17.09	95.80	4.20	0-5

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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lo: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 27.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,**
Agency	: **Sri. Yoganadhana B. M., Contractor, Bangalore.**
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	27.04.2021	8.165	356.7	15.85
2	20.04.2021	27.04.2021	8.099	364.6	16.20
3	20.04.2021	27.04.2021	8.124	382.3	16.99

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 27.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,
Agency	: Sri. Yoganadhana B. M., Contractor, Bangalore.
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022

Date: 18.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,
Agency	: Sri. Yoganadhana B. M., Contractor, Bangalore.
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.024	512.6	22.78
2	20.04.2021	18.05.2021	8.154	524.9	23.33
3	20.04.2021	18.05.2021	8.196	539.1	23.96

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 18.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,
Agency	: Sri. Yoganadhana B. M., Contractor, Bangalore.
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.157	546.2	24.28
2	20.04.2021	18.05.2021	8.198	528.9	23.51
3	20.04.2021	18.05.2021	8.032	534.1	23.74

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